EDCON-COMPONENTS

Specifications

Features

Plastic package has Underwriters Laboratory Flammability Classification 94V-0
Glass passivated Chip junctuions
UL-File number: E252843
High surce current capability

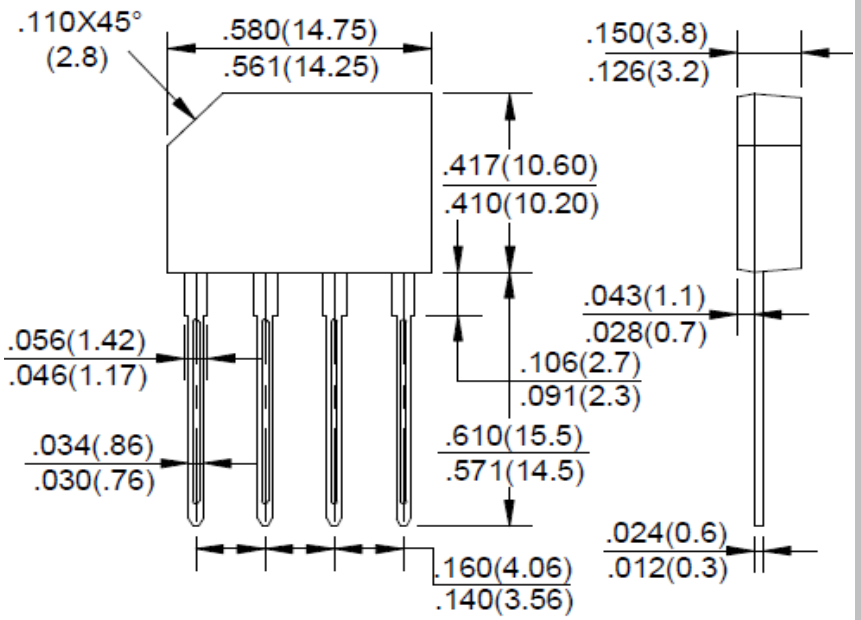
Mechanical Data

Molded plastic body over passivated juntions Terminals plated leads solderable per MIL-STD-750
Method 2026
Polarity symbols marked on body
Weight 1,7gramm

Maximum Ratings & Electrical Characteristics Ratings at 25℃ ambient temperature

	SYMBOLS	GBP 2005G	GBP 201G	GBP 202G	GBP 204G	GBP 206G	GBP 20G	GBP 210G	UNITS
Maximum reecurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum rms lnput voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum dc blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward output rectified TA=50℃	I(AV)	2.0							Amps
Peak forward surge current 8.3ms single half sine-wave	IFSM	60							Amps
Maximum forward voltage @IF=4.0A	VF	1.1							Volts
Maximum reverse voltage TA=25℃ TA=100℃	IR	5.0 500							μA
Type junction capacitance VR=3.0V f=1.0MHz	CJ	25							pF
Operating and storage temperature range	TJ,TSTG	-55 to + 150							℃

Technical Drawing (Unit: inch(mm))

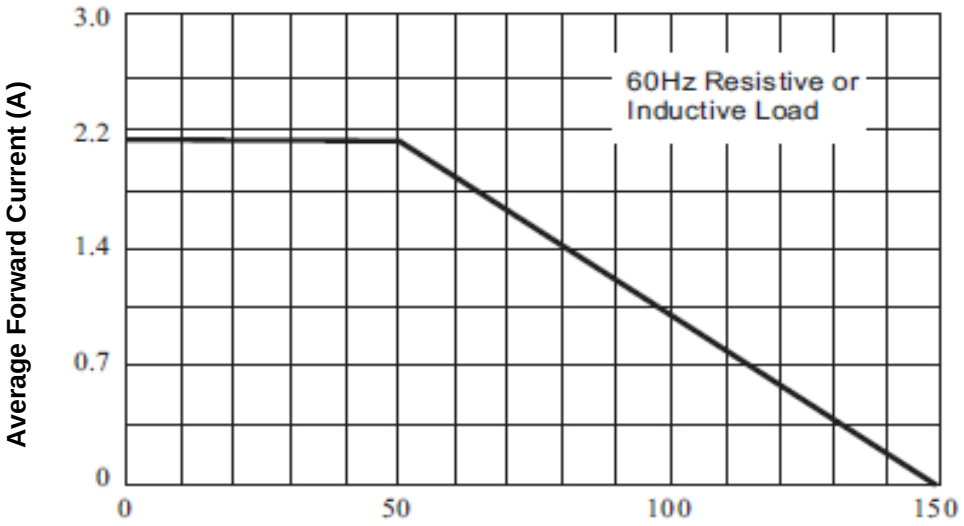


Single Inline Bridge Rectifier 2,0A (Glass Passivated)

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010	EDCON-Ser.	E14001
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5	International Serie:	GBP2xxxG

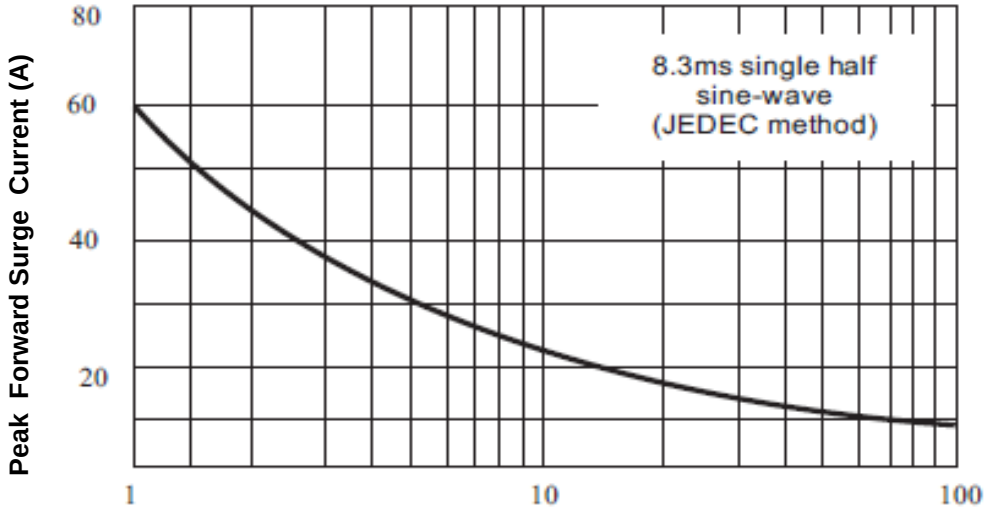
Rating & Characteristics Curves (TA=25℃ unless oth erwise noted)

Typical Forward Current Derating Curve



Case Temperature ℃

Maximum NON-Repetitive Forward Surge Current



Number of cycles at 60Hz

Single Inline Bridge Rectifier 2,0A (Glass Passivated)

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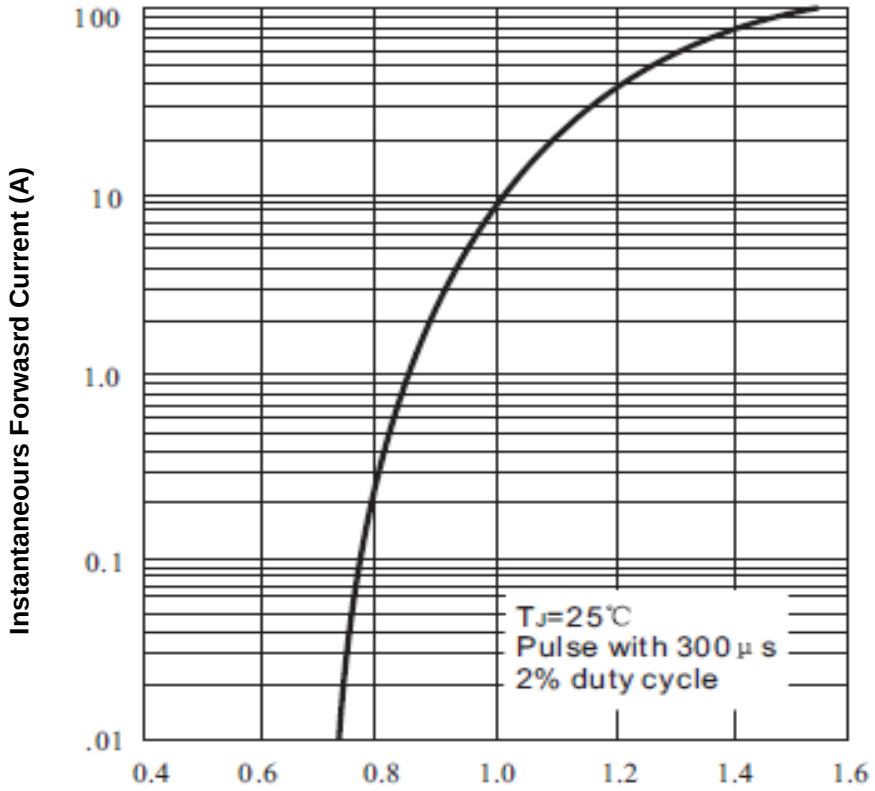
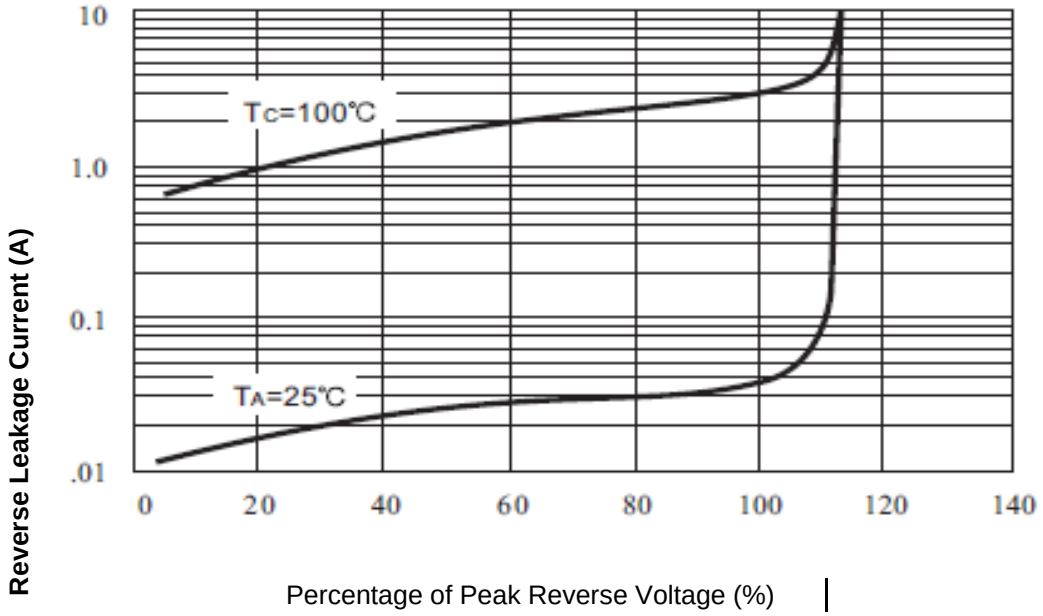
Rating & Characteristics Curves (TA=25℃ unless oth erwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



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APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5	International Serie:	GBP2xxxG

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Ordering Informations

EDCON Serie	International Type	NO Function	ROHS	Package						
E14001	**GBP2xxx**	**XX**	**R**	**BX**						

Look Voltage Code Table		**R**= ROHS Conform	**BX**= Box
		N= NON ROHS Conform	

Single Inline Bridge Rectifier 2,0A (Glass Passivated)

										EDCON-Ser.	**E14001**
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010	International Serie:	**GBP2xxxG**
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5		

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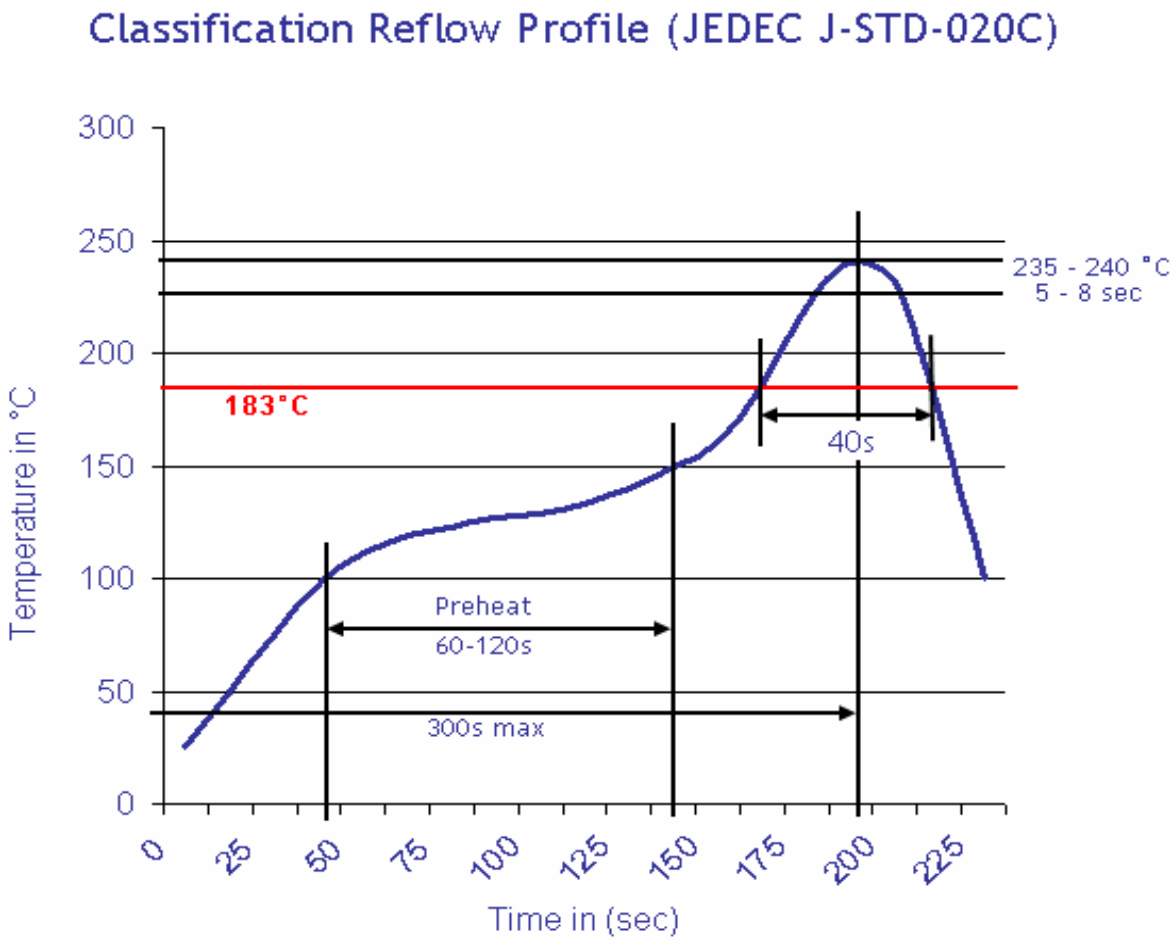
Soldering Profile Curve



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DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010	EDCON-Ser.	**E14001**
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